



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(21) International Application Number:	PCT/US98/25788		(74) Agents: WOLFF, Jessica, R. et al.; Lyon & Lyon LLP, Suite 4700, 633 West Fifth Street, Los Angeles, CA 90071-2066 (US).
(22) International Filing Date:	4 December 1998 (04.12.98)		
(30) Priority Data:	60/067,877 8 December 1997 (08.12.97) US		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
(63) Related by Continuation (CON) or Continuation-In-Part (CIP) to Earlier Application	US 60/067,877 (CON) Filed on 8 December 1997 (08.12.97)		
(71) Applicants (for all designated States except US):	GLYCOMED INCORPORATED [US/US]; o/ Ligand Pharmaceuticals Incorporated, 10275 Science Center Drive, San Diego, CA 92121 (US). SANKYO CO., LTD. [JP/JP]; 2-58, Hiromachi 1-chome, Shinagawa-ku, Tokyo 140-8710 (JP).		
(72) Inventors; and		Published	
(73) Inventors/Applicants (for US only):	ANDERSON, Mark, B. [US/US]; 41 Las Cascadas Road, Orinda, CA 94563 (US). LEVY, Daniel, E. [US/US]; 3918 Christian Drive, Belmont, CA 94002 (US). HOLME, Kevin, R. [US/US]; 13644 Landfair Road, San Diego, CA 92130 (US).		With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.
(54) Title:	<b>DISALICYLATE ANALOG BASED SIALYL LEWIS<sup>x</sup> MIMETICS</b>		
(57) Abstract	<p>The present invention discloses medicaments that are selectin-ligand structural mimetics that bind to certain selectins wherein the mimetics may lack the sialic acid and/or fucose of the natural selecting ligand, sialyl Lewis<sup>x</sup> (sLe<sup>x</sup>), but have a structure capable of mimicking the structural features necessary for selectin recognition. In particular, the invention compounds mimic the key structural features of the oligosaccharides responsible for selectin-mediated cell adhesion. These features consist of the charge-distance-coordination relationship between the carboxylic acid functionality of sialic acid at a distance of 8–12 angstroms of the L-fucose moiety. The invention compounds are disalicylate, its analogs, and disalicylate-based C-glycoside compounds. The present invention also discloses methods of treating selectin-mediated disorders comprising administering the compounds disclosed.</p>		
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*Annex*

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## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US 98/25788

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 6 C07D309/10 A61K31/70

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 6 C07D A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

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X	WO 94 18189 A (GLYCOMED INC) 18 August 1994 see examples 1-11	1-25
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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ional Application No  
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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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